

## AMENDMENTS TO THE CLAIMS

This complete listing of all claims will replace all prior versions, and listings, of claims in the present application. This complete listing of claims begins below.

### COMPLETE LISTING OF ALL CLAIMS

I claim:

**Claim 1** (Currently Amended): A system ~~and its corresponding device~~ to measure ~~instantly and permanently~~ the ultraviolet solar radiation, ~~characterized in that it further~~ compris[[es]]ing a device to display by means of colored lights and a means to detect ultraviolet radiation (3),

where the device to display comprises ~~with preferably~~ five different colored lights[[,]] for indicating a level of radiation detected by the means to detect ultraviolet radiation ~~the indication of the instantaneous radiation measured and displayed in accordance with the recommendations, nomenclature, and correlation color index established by the World Health Organization (WHO);~~

where[[in]] the ~~main~~ means to detect ultraviolet radiation comprises solid state electronics elements with a detector head having a semiconductor detector with a UV filter (5), a Teflon polytetrafluoroethylene diffuser (4), an amplifier, and a metallic enclosure (6), wherein said amplifier has a standard transimpedance configuration, ~~preferably wherein said amplifier is~~ a low noise operational amplifier with a low sensitivity to temperature, wherein the detector head (4) is external and it is connected by means of a cable to the rest of the system.

**Claim 2** (Currently Amended): The system according to claim 1, ~~characterized in that it includes means to detect a signal that contains ultraviolet radiation, means for the processing of this signal, and means for the display of this processed signal to be visible from a distance in a place of public or private access~~ wherein the detector head has an active area, where the active area is larger than one millimeter squared.

**Claim 3** (Currently Amended): The system according to claim 1, ~~characterized in that it~~ wherein the filter enables the detection of ~~allows to detect the UV-B solar radiation by means of a filter added to the components mentioned in claim 1 such that~~ [[the]] a total spectral response of the system corresponds to [[the]] an erythema action curve.

**Claim 4** (Currently Amended): The system according to claim 1, ~~characterized in that~~ wherein the means to detect and process the information or data are solid state electronic elements.

**Claim 5** (Currently Amended): A ~~system and its corresponding device to measure instantly and permanently the ultraviolet solar radiation, characterized in that it~~ comprises comprising an ultraviolet detector head and an electronic processing unit (1), which where the ultraviolet detector head is electrically connected to [[an]] the electronic processing unit, where the electronic processing unit receives a signal from the detector head, of the received signal (2), which where the electronic processing unit converts [[it]] the signal to a display signal ~~adequate to show the UV information in a public or private place by means of public ads, poster advertising, road boards, billboards, such that is clearly visible from a distance, where the detector head has an active area, where the active area is larger than one millimeter squared.~~

**Claim 6** (Currently Amended): The device according to claim 5, further comprising a display system, where the display system receives the display signal from the electronic processing unit, where the ~~characterized in that said display system is~~ luminous, ~~it can be located in any place of public or private access and it also can contain publicity or advertising.~~

**Claim 7** (Currently Amended): The device according to claim 5, ~~characterized in that~~ wherein the detector head [[has]] comprises analog electronics and a circuit for analog to digital conversion.

**Claim 8** (Currently Amended): The device according to claim 7, ~~characterized in that~~ wherein the detector head comprises a semiconductor detector with an UV filter (5), a ~~Teflon~~ polytetrafluoroethylene diffuser (4), an amplifier and a metallic enclosure (6).

**Claim 9** (Currently Amended): The device according to claim 8, ~~characterized in that~~ wherein said amplifier has a standard transimpedance configuration, ~~preferentially and is~~ a low noise operational amplifier with low sensitivity to temperature.

**Claim 10** (Currently Amended): The device according to claim ~~[[5]]~~6, ~~characterized in that~~ wherein the means to display the ultraviolet radiation information mentioned ~~consists of~~ display system comprises a set of five colored lights or ~~leds array~~ (3), ~~colored flags, panels of liquid plasma/crystal TV, numeric indicators, or indicating panels of numbers and other similar means,~~ the color equivalency being the same as recommended and established by the World Health Organization (WHO).

**Claim 11** (Currently Amended): The device according to claim 10, ~~characterized in that~~ wherein ~~[[it]]~~ the display system is located in ~~private places such as~~ selected from the group consisting of schools, private houses, swimming pools, or stadiums ~~or other similar places; wherein it displays by means of preferably five colors indicating the risk levels of the ultraviolet radiation according to the those established by the World Health Organization (WHO).~~

**Claim 12** (Canceled)

**Claim 13** (New): The device according to claim 6, wherein the display system comprises a set of five colored flags.

**Claim 14** (New): The device according to claim 6, wherein the display system comprises numeric indicators.

**Claim 15** (New): The device according to claim 6, wherein the display system is into an object selected from the group consisting of public ads, poster advertising, road boards, and billboards.